Malaysian Standards

- MS 29
  Specification for aggregates from natural sources for concrete
- MS 144
  Specification for cold reduced mild steel wire for reinforcement of concrete
- MS 145
  Specification for steel fabric for the reinforcement of concrete
- MS 146
  Specification for hot rolled steel bars for reinforcement of concrete
- MS 416
  Code of practice for the use of structural steel in building
- MS 523
  Specification for concrete including ready mixed concrete
  Part 1 Guide to specifying concrete
  Part 2 Methods for specifying concrete mixes
  Part 3 Procedures to be used in producing and transporting concrete
  Part 4 Procedures to be used in sampling, testing and assessing compliance of concrete
- MS 739
  Specification for hot-dip galvanised coatings on threaded fasteners
- MS 740
  Specification for hot-dip galvanised coatings on iron and steel articles
- MS 822
  Specification for sawn-timber foundation piles
- MS 1037
  Specification for sulphate resisting portland cement
- MS 1195
  Code of practice for structural use of concrete
  Part 1 Design and construction
  Part 2 Special circumstances
  Part 3 Design charts for singly reinforced, doubly reinforced beams and rectangular columns
- MS 1227
  Specification for portland pulverised fuel ash cement
- MS 1228: 1991
  Code of Practice for Design and Installation of Sewerage Systems
Appendix B - References

♦ MS 1241
Specification for fibreglass water tanks - effective capacity of less than 2000 litres
♦ MS 1292
Specification for rubber seals – water stops for sealing joints in concrete
♦ MS 1387
Specification for ground granulated blast furnace slag for use with portland cement
♦ MS 1390
Specification for glass-reinforced polyester panels and panel water tanks

**British Standards**

♦ BS 476
Fire tests on building materials and structures
♦ BS 1161
Specification for aluminium alloy sections for structural purposes
♦ BS 1615
Specifications for anodic oxidation coatings on aluminium.
♦ BS 3396
Woven glass fibre fabrics for plastics reinforcement
♦ BS 3532
Method of specifying unsaturated polyester resin systems
♦ BS 3749
Specification for E glass fibre woven roving fabrics for the reinforcement of polyester and epoxy resin systems
♦ BS 4248
Specification for supersulfated cement
♦ BS 4848
Hot rolled structural steel sections
Part 2 Specification for hot finished hollow sections
♦ BS 4921
Specification for sherardized coatings on iron and steel
♦ BS 5493
Code of practice for protective coating of iron and steel structures against corrosion
Appendix B - References

- BS 7079
  Preparation of steel substrates before application of paints and related products
- BS 7123
  Specification for metal arc welding of steel and concrete reinforcement
- BS 8118
  Structural use of aluminium
  Part 1  Code of practice for design
  Part 2  Specification for materials, workmanship and protection

**European Standard**

- EN 10088
  Stainless Steel
  Part 1  List of Stainless Steels
  Part 3  Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes
- EN 10029
  Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above
- EN ISO 9445
  Continuously cold-rolled stainless steel narrow strip, wide strip, plate/sheet and cut lengths. Tolerances on dimensions and form
- EN 754
  Aluminium and aluminium alloys. Cold drawn rod/bar and tube.
  Part 1  Technical conditions for inspection and delivery
  Part 2  Mechanical properties
  Part 7  Seamless tubes, tolerances on dimensions and form
  Part 8  Porthole tubes, tolerances on dimensions and form
- EN 755
  Aluminium and aluminium alloys. Extruded rod/bar, tube and profiles.
  Part 1  Technical conditions for inspection and delivery
  Part 2  Mechanical properties
  Part 3  Round bars, tolerances on dimensions and form
  Part 4  Square bars, tolerances on dimensions and form
  Part 5  Rectangular bars, tolerances on dimensions and form
  Part 6  Hexagonal bars, tolerances on dimensions and form
  Part 7  Seamless tubes, tolerances on dimensions and form
  Part 8  Porthole tubes, tolerances on dimensions and form
Appendix B - References

Part 9 Profile, tolerances on dimensions and form
♦ EN 1676
Specifications for aluminium and aluminium alloy. Alloyed ingots for remelting.
♦ EN 12373
♦ EN 10162
♦ EN 13923
Filament-wound FRP pressure vessels. Materials, design, manufacturing and testing.
♦ EN ISO 8503
Preparation of steel substrates before applications of paints and related products. Surface roughness characteristics of blast-cleaned steel substrates.
Part 1 Specifications and definitions for ISO surface profile comparators for the assessment of abrasive blast-cleaned surfaces.
♦ EN 10025
Hot rolled products of structural steels.
Part 1 General technical delivery conditions.
Part 3 Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels.
Part 4 Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels
♦ EN ISO 2063
♦ EN 14020
Part 1 Designation
Part 2 Methods of test and general requirements
Part 3 Specific requirements
♦ EN 10210
Specification for hot finished structural hollow sections of non-alloy and fine grain steels
Part 2  Tolerances, dimensions and sectional properties.

♦  EN 10296
Welded circular steel tube for mechanical and general engineering purposes. Technical delivery conditions.
Part 1  Non-alloy and alloy steel tubes.
Part 2  Stainless steel

♦  EN 10297
Seamless circular steel tubes for mechanical and general engineering purposes. Technical delivery conditions.
Part 1  Non-alloy and alloy steel tubes.

♦  EN 10305
Steel tubes for precision applications. Technical delivery conditions.
Part 1  Seamless cold drawn tubes
Part 2  Welded cold drawn tubes
Part 3  Welded cold sized tubes
Part 4  Seamless cold drawn tubes for hydraulic and pneumatic power systems
Part 5  Welded and cold sized square and rectangular
Part 6  Welded cold drawn tubes for hydraulic and pneumatic power systems

♦  EN 14118
Part 1  Designation
Part 2  Methods of tests and general requirements
Part 3  Specific requirements

♦  EN 10083
Specification for steels for quenching and tempering
Part 3  Technical delivery conditions for alloy steels

ASTM Standard

♦  ASTM D4097
Standard specification for contact-moulded glass-fibre-reinforced thermo set resin corrosion-resistant tanks.
Appendix B - References

♦ ASTM E84
Standard test method for surface burning characteristics of building materials.
♦ ASTM C582
Standard specification for contact-moulded reinforced thermosetting Plastic (RTP) laminates for corrosion-resistant equipment.

AS Standard
♦ AS 3750.2
Paints for steel structures – Ultra high-build paint
♦ AS/NZS 3750.12
Paints for steel structures – Alkyd/micaceous iron oxide
♦ AS/NZS 2312
Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings.

Other Reference Materials
♦ Buffer Guidelines for the Siting and Zoning of Industries, Department of Environment
♦ Environmental Quality Act 1974
♦ Environmental Quality (Sewage and Industrial Effluents) Regulations, 1979
♦ Occupational Safety and Health Act, 1994 (OSHA)
♦ Water Quality Criteria and Standards for Malaysia, Final Report, July 1986, Department of Environment
♦ Environmental Impact Assessment Guidelines for Municipal Solid Waste, Sewage Treatment and Disposal Projects, Department of Environment.
♦ Factories and Machinery Act 1967 (Revised – 1974)
♦ Uniform Building By-Law (UBBL), 1984
♦ Town and Country Planning Act, 1976
♦ Sewerage Services Act 1993
♦ Water Services Industry Act 2006
♦ Electrical Act
Other Guidelines in This Set

The Malaysian Sewerage Industry Guidelines is comprised of 5 volumes:

♦ Volume 1  Sewerage Policy for New Developments
♦ Volume 2  Sewerage Works Procedures
♦ Volume 3  Sewer Networks and Pump Stations
♦ Volume 5  Septic Tanks